

MODEL ASSEMBLY DESIGN ESSENTIALS

SIMULIA COURSE DESCRIPTION



Level: Fundamental

Products: 3DEXPERIENCE

Disciplines: Structures; Preparation & Validation

Audience

This course is intended for the following roles:

- Simulation Model Build Engineer
- Structural Performance Engineer
- Structural Mechanics Engineer
- Structural Analysis Engineer
- Structural Generative Engineer

Why take this course?

This course is an introduction to creating Finite Element Models (FEMs) for large and complex assemblies using the automated modeling technology in the 3DEXPERIENCE platform. The course also discusses managing the product structure for large assemblies of parts and meshes created either in the 3DEXPERIENCE platform or in 3rd-party tools.

What will you learn?

Upon completion of this course, you will be able to:

- Create external simulation representations.

- Perform automated modeling

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Run simulations collaboratively within the 3DEXPERIENCE platform, connecting design, data, and analysis seamlessly.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

The following course is required prior to taking this one:

- Structural Model Creation: Geometry and Meshing

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

Join the Community!

[Join the SIMULIA community](#) to connect, learn, and stay updated.



3DEXPERIENCE®

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' 3DEXPERIENCE platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

For more information, visit: www.3ds.com

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**Virtual Worlds
for Real Life**

